PRINTER RUSH
(PTO ASSISTANCE)

Query Clock HC

Application :	09/702293	**Examiner :**	Han	**GAU :**	2665
From:	CA	**Location:**	IDC (FMF) FDC	**Date:**	9/26/05

Tracking #: _____ Week Date: _____

2

DOC CODE	DOC DATE	MISCELLANEOUS
☐ 1449		☐ Continuing Data
☐ IDS		☐ Foreign Priority
☐ CLM		☐ Document Legibility
☐ IIFW		☐ Fees
☐ SRFW		☐ Other
☒ DRW	10/30/00	
☐ OATH		
☐ 312		
☐ SPEC		

[RUSH] **MESSAGE:** Attn: Chief Draftsperson

Figures 5, 8 + 12 have the date stamp interfering with figures.

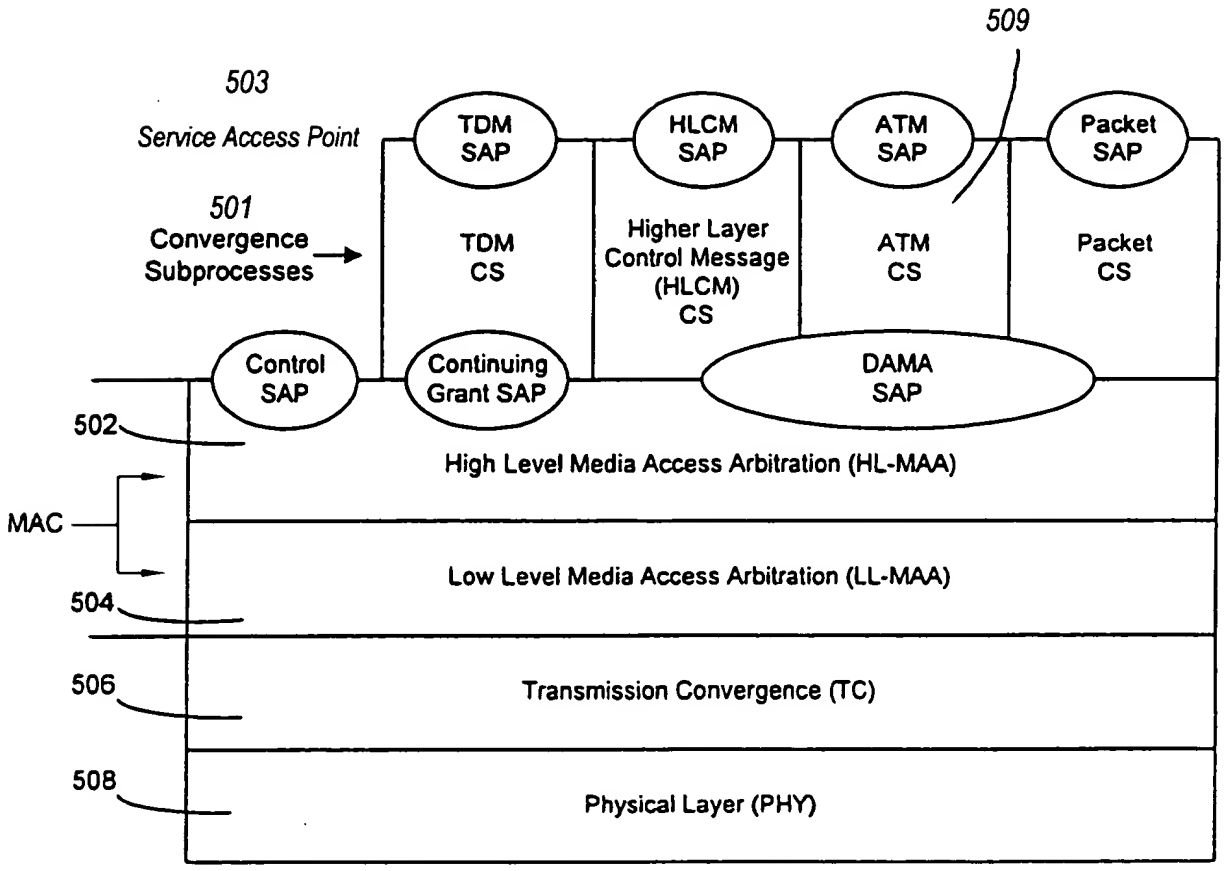
Please Resolve. Thank You

[XRUSH] **RESPONSE:** CORRECTED DRAWINGS SEE ATTACHMENT 10-13-05

INITIALS: JDC

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.

REV 10/04



Layered Data Transport Architecture

FIG. 5

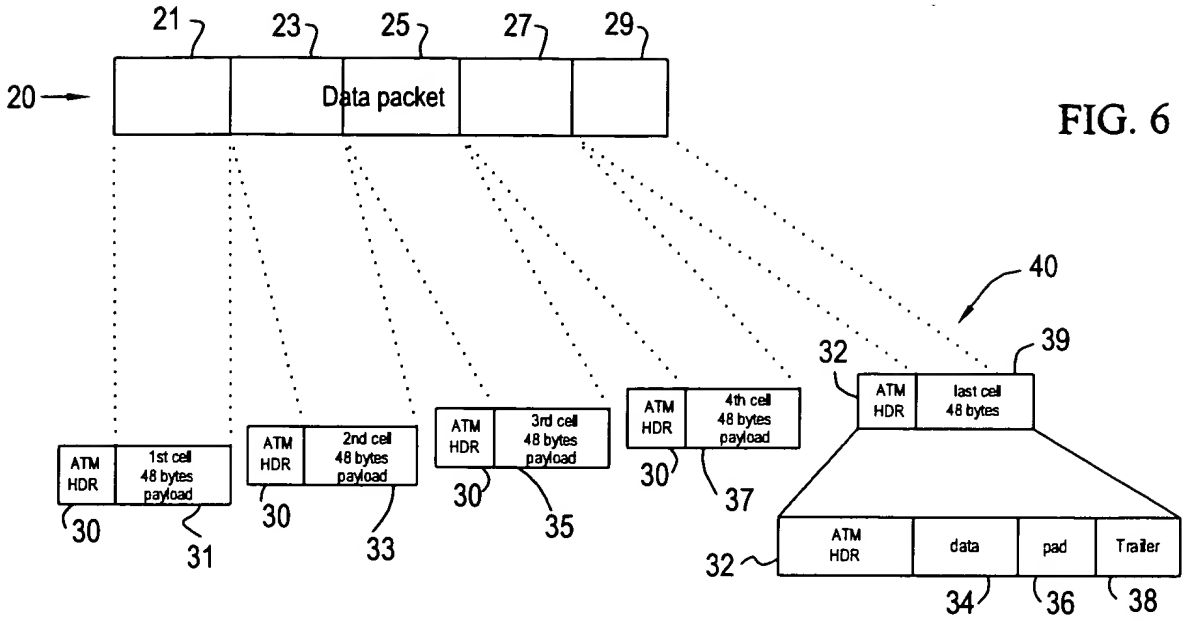

21
23
25
27
29
20
Data packet
40
32
39
ATM HDR
last cell 48 bytes
ATM HDR
1st cell 48 bytes payload
ATM HDR
2nd cell 48 bytes payload
ATM HDR
3rd cell 48 bytes payload
ATM HDR
4th cell 48 bytes payload
30
31
30
33
30
35
30
37
32
ATM HDR
data
pad
Trailer
34
36
38

FIG. 6

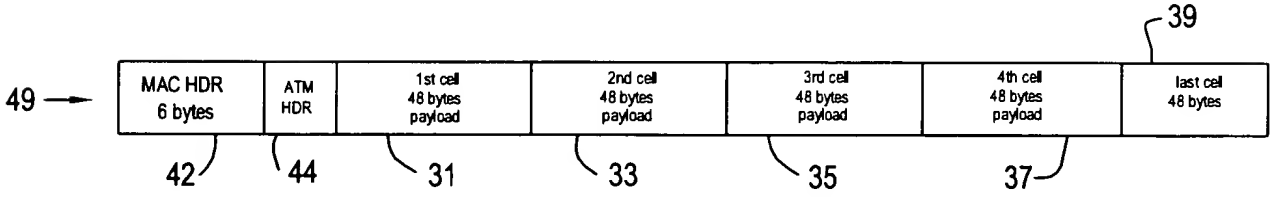

39
49
MAC HDR 6 bytes
ATM HDR
1st cell 48 bytes payload
2nd cell 48 bytes payload
3rd cell 48 bytes payload
4th cell 48 bytes payload
last cell 48 bytes
42
44
31
33
35
37

FIG. 7

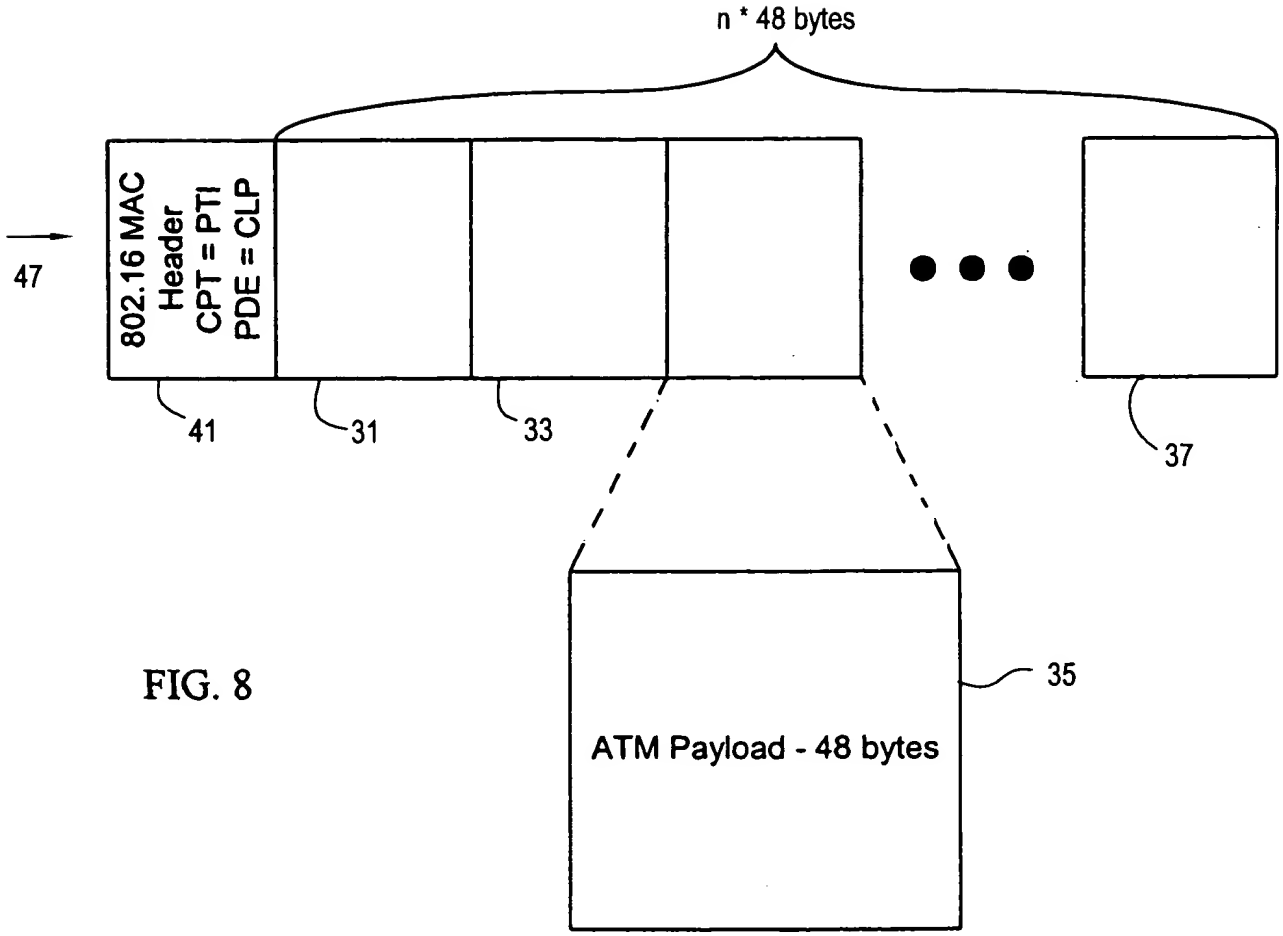
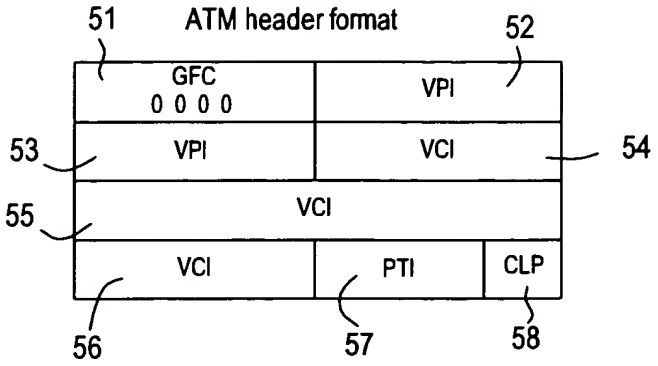

n * 48 bytes
802.16 MAC Header
CPT = PTI
PDE = CLP
47
41
31
33
37
35
ATM Payload - 48 bytes

FIG. 8

FIG. 9


51
ATM header format
52
GFC
0 0 0 0
VPI
53
VPI
VCI
54
55
VCI
VCI
PTI
CLP
56
57
58

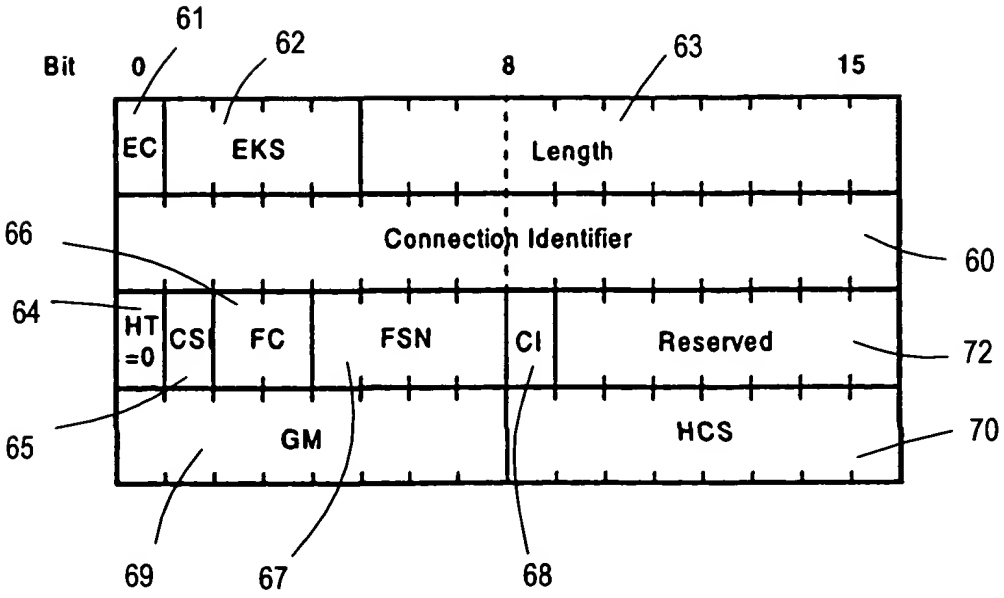

61
Bit
0
62
8
63
15
EC
EKS
Length
66
Connection Identifier
60
64
HT
=0
CS
FC
FSN
CI
Reserved
72
65
GM
HCS
70
69
67
68

FIG. 10

FIG. 11

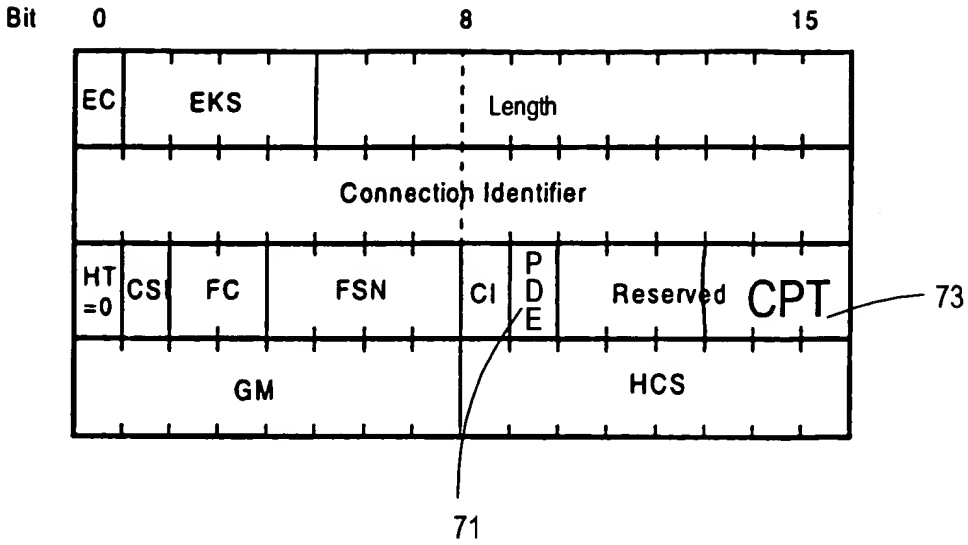
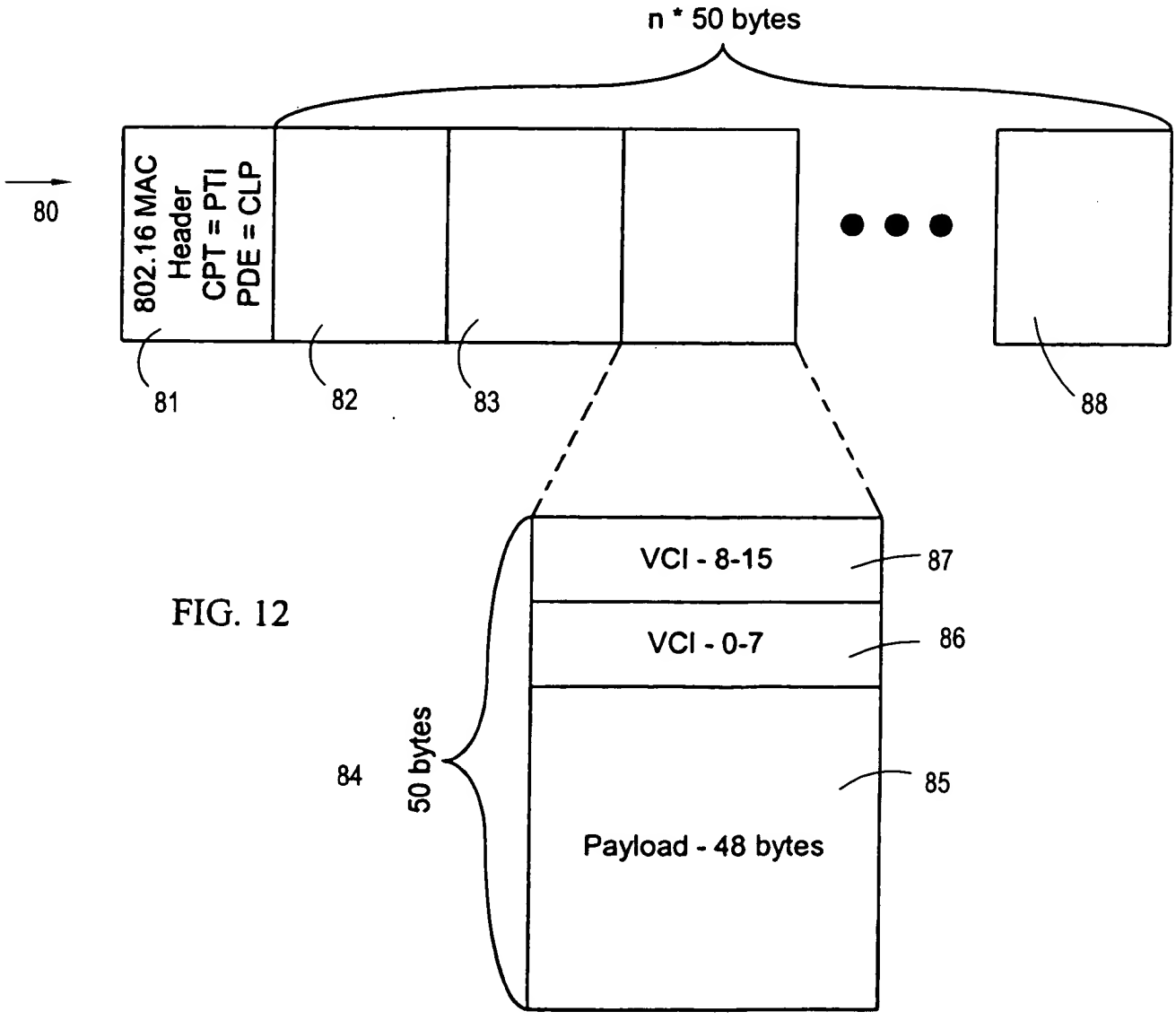

Bit
0
8
15
EC
EKS
Length
Connection Identifier
HT =0
CSI
FC
FSN
CI
PDE
Reserved
CPT
73
GM
HCS
71

FIG. 12


n * 50 bytes
80
802.16 MAC Header
CPT = PTI
PDE = CLP
81
82
83
88
VCI - 8-15
87
VCI - 0-7
86
84
50 bytes
85
Payload - 48 bytes

91

MAC header format

EH 1	PC/PM	CIDa
CIDa		CIDb
CIDb		
CIDb	EPT	PDE
Length		

ATM header format

GFC 0 0 0 0	VPI	
VPI	VCI	
VCI		
VCI	PTI	CLP

FIG. 13

Mapping:

MAC header	ATM header
EH/PC/PM	GFC (set to zero at the northbound interface between the ATM and MAC)
CIDa	VPI
CIDb	VCI
CPT	PTI
PDE	CLP
Length	N/A no need to map.

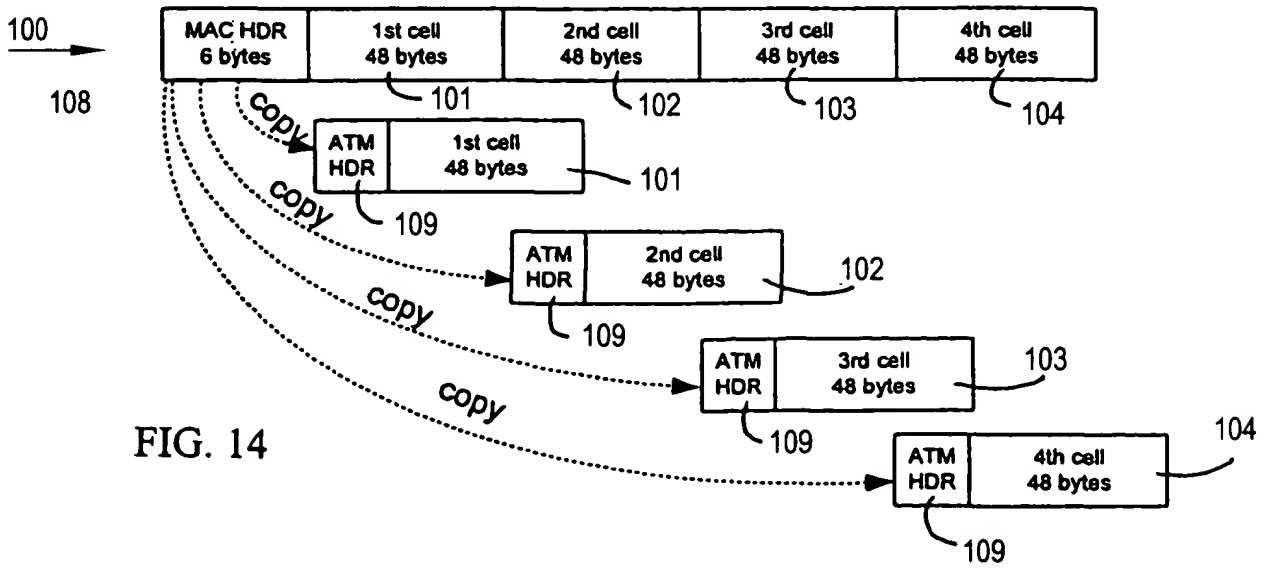


FIG. 14